



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1

of 3

Complete if Known

Application Number	10/693,988
Filing Date	October 27, 2003
First Named Inventor	Reshef TENNE et al
Parent Group Art Unit	1754 134
Confirmation No.	5785
Attorney Docket Number	TENNE=3A

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	4,055,630		McCoy et al	October 1977	+
	AB	4,299,892		Dines et al	November 1981	+
	AC	4,390,514		Chianelli et al	June 1983	+
	AD	4,548,800		Badesha et al	October 1985	+
	AE	4,676,969		Smith	June 1987	+
	AF	5,958,358		Tenne et al	September 1999	+

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	AG	EP 0 580 019	B1	Yeda Research and Dev. Co.	01-26-1994	+	
	AH	WO 97/44278	A1	Yeda Research and Dev. Co.	11-27-1997	+	
	AI	WO 98/23796	A1	Yeda Research and Dev. Co.	06-04-1998	+	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

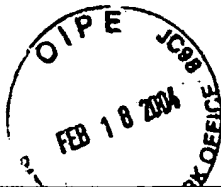
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	AJ	Y. FELDMAN et al., "High-Rate, gas-Phase Growth of MoS ₂ Nested Inorganic Fullerenes and Nanotubes", <i>Science</i> , January 13, 1995, pp. 222-225, vol. 267 <i>JAN 1995</i>	
	AK	Y. FELDMAN et al., "Bulk Synthesis of Inorganic Fullerene-like MS ₂ (M=Mo, W) from the Respective Trioxides and the Reaction Mechanism", <i>Journal of the American Chemical Society</i> , 1996, pp. 5362-5367, vol. 118, no. 23 <i>no month</i>	
	AL	M. HERSHFINKEL et al., "Nested Polyhedra of MX ₂ (M=W, Mo; X=S, Se) Probed by High-Resolution Electron Microscopy and Scanning Tunneling Microscopy", <i>Journal of the American Chemical Society</i> , 1994, pp. 1914-1917, vol. 116	
	AM	M. REMSKAR et al., "MoS ₂ as Microtubes", <i>Appl. Phys. Lett.</i> , July 15, 1996, vol. 69, no. 3	
	AN	M. REMSKAR et al., "New Crystal Structures of WS ₂ : Microtubes, Ribbons, and Ropes", <i>Adv. Mater.</i> , 1998, pp. 246-249, vol. 10, no. 3 <i>no month</i>	
	AO	M. REMSKAR et al., "Stabilization of the Rhombohedral Polytype in MoS ₂ and WS ₂ Microtubes: TEM and AFM Study", <i>Surface Science</i> , 1999, pp. 637-641, vol. 435 <i>no month</i>	
	AP	M. REMSKAR et al., "Syntactic Coalescence of WS ₂ Nanotubes", <i>Applied Physics Letters</i> , June 14, 1999, pp. 3633-3635, vol. 74, no. 24	
	AQ	R. TENNE et al., "Polyhedral and Cylindrical Structures of Tungsten Disulphide", <i>Nature</i> , December 1992, pp. 444-445, vol. 360	
	AR	C.M. ZELENSKI et al., "Template Synthesis of Near-Monodisperse ³ Microscale Nanofibers and Nanotubules of MoS ₂ ", <i>J. Am. Chem. Soc.</i> , 1998, pp. 734-742, vol. 120 <i>no month</i>	

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



Substitute for form PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2

of 3

Complete if Known

Application Number	10/693,988
Filing Date	October 27, 2003
First Named Inventor	R. TENNE et al
Group Art Unit	1754-1734
Confirmation No.	5785
Attorney Docket Number	TENNE=3A

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
AS		AJAYAN, P.M. et al; "Carbon nanotubes as removable templates for metal oxide nanocomposites and nanostructures"; <i>Nature</i> , Vol. 375, pp. 564-567; 1995. <i>JUNE 1995</i>	
AT		CHOPRA, N.G. et al; "Boron Nitride Nanotubes"; <i>Science</i> ; Vol. 269; 1995; pp. 966-967. <i>AUG 1995</i>	
AO		DAI, H. et al; "Nanotubes as nanopores in scanning probe microscopy"; <i>Nature</i> ; Vol. 384; 1996; pp. 147-150. <i>NOV 1996</i>	
AV		FELDMAN, Y. et al; "Kinetics of Nested Inorganic Fullerene-like Nanoparticle Formation"; <i>J. Am. Chem. Soc.</i> ; Vol. 120; 1998, pp 4176-4183. <i>APRIL 1998</i>	
AW		FREY, G.L.; "Optical properties of MS2 (M = Mo, W) inorganic fullerene-like and nanotube material optical absorption and resonance Raman measurements"; <i>J. Mater Res.</i> Vol. 13, No. 9, 1998; pp. 2412-2417. <i>SEP 1998</i>	
AX		GLEMSER, O. "Zur Frage der Wolframblauverbindungen"; <i>Z. Anorg. Allg. Chem.</i> 1964, 332, 299-313.. <i>NO MONTH</i>	
AT		HARCASTLE, F.D.; "Determination of the Molecular Structures of Tungstates by Raman Spectroscopy"; <i>Journal of Raman Spectroscopy</i> , Vol. 26, 1995; pp. 397-405 <i>SEPTEMBER 1995</i>	
AY		HORSLEY, J.A.; "Structure of Surface Tungsten Oxide Species in the WO ₃ /Al ₂ O ₃ Supported Oxide System from X-ray Absorption Near-Edge Spectroscopy and Raman Spectroscopy"; <i>J. Phys. Chem.</i> Vol. 91, 1987; pp. 4014-4020. <i>NO MONTH</i>	
AZ		IGUCHI, E.; "Strain Energy Between CS Planes"; <i>Journal of Solid State Chemistry</i> ; Vol. 23, 1978; pp. 231-239. <i>NO MONTH</i>	
BA		IJIMA, S. "Helical microtubules of Graphitic carbon"; <i>Nature</i> ; Vol. 354; 1991; pp. 56-58. <i>November 1991</i>	
BB		MARGULIS, L. "Nested fullerene-like structures"; <i>Nature</i> ; Vol. 365, 1993; pp. 113-114. <i>SEPTEMBER 1993</i>	
BC		MIYANO, T. et al; "High-Resolution Electron Microscopic Studies of CS Structure in Reduced WO ₃ Thin Crystals"; <i>Japanese Journal of Applied Physics</i> ; Vol. 22, 1983; pp.863-868. <i>MAY 1983</i>	

Examiner
Signature


Date
Considered

12/10/2004

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. † Applicant's unique citation designation number (optional). ‡ See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. § Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ¶ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ** Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. *** Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 114A (05-03) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
Application Number				10/693,988	
Filing Date				October 27, 2003	
First Named Inventor				R. TENNE et al	
Group Art Unit				1764-1734	
Confirmation No.				5785	
Attorney Docket Number				TENNE=3A	
Sheet	3	of	3		

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Examiner Signature		Date Considered	12/10/2004
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